COMPRESSED AIR TREATMENT

BY BEKO

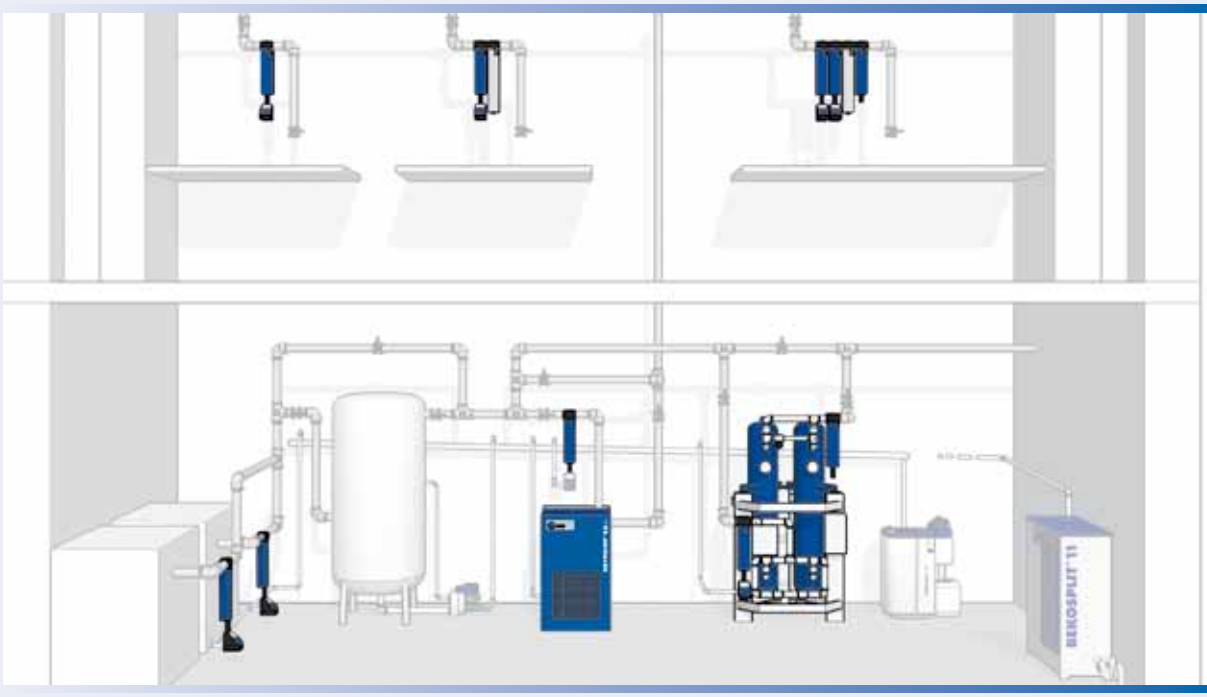
YOUR EXPERIENCED PARTNER FOR ADVANCED COMPRESSED AIR MANAGEMENT

BEKO TECHNOLOGIES is a global successful specialist for transport and treatment of compressed air.

Six product families cover almost all applications and conditions between the compressor and the point-of-use:

Processing (filtration and drying), condensate (discharge and processing), distribution (pipework), measurement technology and process technology.

BEKO's compressed air processing is based on four product lines covering all aspects of filtration and drying.



CLEARPOINT® FILTERS AND WATER SEPARATORS

Process-reliable and flow-optimised filters and water separators for compressed air and technical gases

DRYPOINT® COMPRESSED AIR DRYERS

Refrigeration, Membrane, Adsorption.
BEKO has the effective solution for you.

MORE. BETTER.
MORE RELIABLE WITH TOP COMPRESSED AIR TREATMENT

For producing companies, an improved process safety is an important key for competitive advantages.

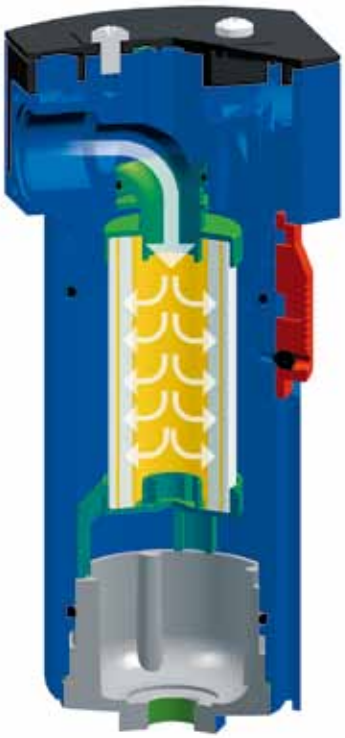
An improved, stable product quality and decreasing production and maintenance costs are the reward for engagement and investment in this area.

Open up new potentials of process reliability with compressed air treatment that is optimally designed to production and environment conditions. Innovative dryers and filters as well as a sound know-how in many user's areas are the basis of powerful solutions.

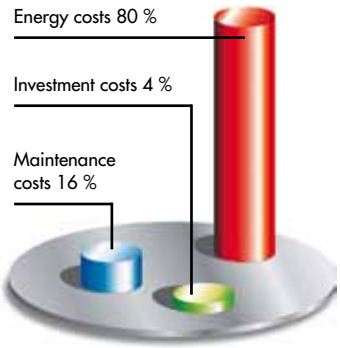
DRYPOINT® compressed air dryer and CLEARPOINT® filters.

Convince yourself of the BEKO competence. Take your chance for new approaches.

CLEARPOINT® FILTERS AND WATER SEPARATORS



Compressed air filtration is assessed to various criteria, such as type, quality, reliability and technical efficiency. All this must add up to economical efficiency: With compressed air systems working to more or less at full capacity, 80 % of the running costs is due to energy consumption. And right here the new CLEARPOINT® compressed air filters will help you save money.

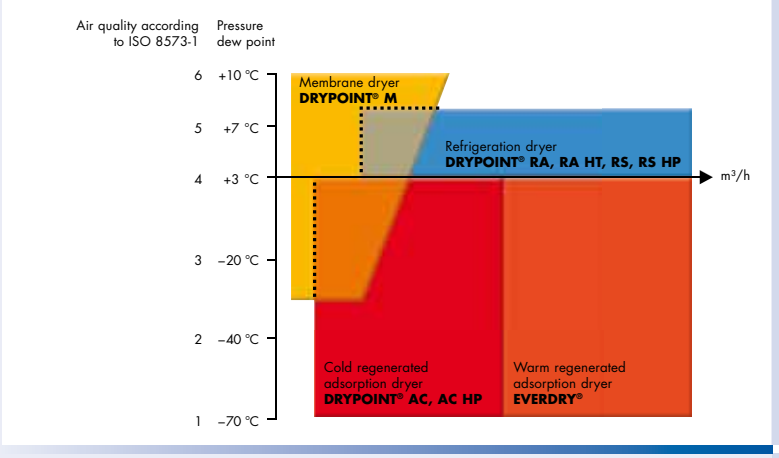


The energy costs are significantly influenced by the pressure drop during compressed air filtration. In order to maintain the required operating pressure, the compressor performance has to be stepped up to compensate for the pressure drop. The consequence: higher energy consumption and increased compressor wear resulting in higher running costs. The better solution: CLEARPOINT® compressed air filter.

DRYPOINT®
COMPRESSED AIR DRYER

Besides filtration, compressed air drying contributes considerably to an increase in process reliability. Humidity in compressed air systems causes corrosion and promotes the growth of microorganisms.

BEKO TECHNOLOGIES extensive dryer programm gives you the effective tools for reliable production.



DRYPOINT® RA

Compressed air refrigeration dryer with extremely efficient design. Ensures cost-saving, reliable operation and optimum drying thanks to highly effective heat exchanger combination. Lowest possible pressure loss even with varying loads and minimum energy consumption are characteristics. The technical highlights include: vertical heat exchanger arrangement with condensate flow from drop to bottom, stainless steel demister for reliable separation and a large calming space to prevent condensate carry-over and a BEKOMAT® for reliable condensate drainage.

DRYPOINT® M

Drying – tailored to size.
It is particularly cost-effective to dry precisely the quantity of compressed air which the customer requires at the point-of-use. And this is only really effective when this compressed air quantity is dried to the necessary extent, meaning that drying orientates itself on the application. DRYPOINT® M with TWIST 60 technology offers state-of-the-art application oriented compressed air drying.

DRYPOINT® AC

The operation of compressed air systems with conventional adsorption dryers suffers from system-related pressure drop. This deficiency needs to be compensated via an increased compressor performance, this requiring a higher energy demand.

Cold-regenerated DRYPOINT® AC adsorption dryers offer a convincing solution to the problem.

DRYPOINT® AC represents a real system solution: The inline integration of CLEARPOINT® compressed air filters, combined with BEKOMAT® condensate drains represent a major safety asset.

TECHNICAL DATA

Filters **CLEARPOINT®**	Connection	Volume flow at inlet m³/h *	Filtration grade	Residual oil (mg/m³) at 20 °C and 1 bar
Type S (16 bar)	G 3/8" - 3/4"	35 - 150	25 / 5 / 1 / 0.01 / AC	10 / 5 / 0.1 / 0.01 / 0.001 / 0.003
Type M (16 bar)	G 1" - 3"	200 - 2400	25 / 5 / 1 / 0.01 / AC	10 / 5 / 0.1 / 0.01 / 0.001 / 0.003
Type L (10/16 bar)	DN 80 - DN 300	1420 - 31240	25 / 5 / 1 / 0.01 / AC	10 / 5 / 0.1 / 0.01 / 0.001 / 0.003
HP 50 (50 bar)	G 3/8" - 2"	130 - 1900	25 / 5 / 1 / 0.01 / AC	10 / 5 / 0.1 / 0.01 / 0.001 / 0.003
HP 100 (100 bar)	G 3/8" - 2"	40 - 3400	25 / 5 / 1 / 0.01 / AC	10 / 5 / 0.1 / 0.01 / 0.003
HP 250 (250 bar)	G 1/4" - 1 1/2"	44 - 3967	25 / 5 / 1 / 0.01 / AC	10 / 5 / 0.1 / 0.01 / 0.003
HP 350 (350 bar)	G 1/4" - 1 1/2"	48 - 4360	25 / 5 / 1 / 0.01 / AC	10 / 5 / 0.1 / 0.01 / 0.003
HP 500 (500 bar)	G 1/4" - 1/2"	52 - 556	25 / 5 / 1 / 0.01 / AC	10 / 5 / 0.1 / 0.01 / 0.003

Membrane dryers **DRYPOINT® M**	Connection	Volume flow	Pressure dewpoint inlet	Pressure dewpoint outlet
DM 08 ...	G 1/4"	0.72 - 12	35 °C	15 °C / 3 °C / -20 °C
DM 10 ...	G 3/8"	4.5 - 24	35 °C	15 °C / 3 °C / -20 °C
DM 20 ...	G 3/4"	9.6 - 63	35 °C	15 °C / 3 °C / -20 °C
DM 25 ...	G 1"	27 - 240	35 °C	15 °C / 3 °C / -20 °C

Adsorption dryers **DRYPOINT® AC**	Connection	Volume flow at inlet m³/h *	Standard pressure dewpoint	Optional pressure dewpoint
AC 119 - AC 196	G 3/8"	10.2 - 56.1	-40 °C	-70 °C
AC 191 - AC 196	G 1/2"	74.8 - 112.2	-40 °C	-70 °C
AC 205 - 215	G1"	135 - 200	-40 °C	-20 °C / -70 °C
AC 220 - AC 230	G 1 1/2"	280 - 500	-40 °C	-20 °C / -70 °C
AC 240 - AC 250	G 2"	630 - 800	-40 °C	-20 °C / -70 °C
AC 260 - AC 295	G 2 1/2"	1000 - 1550	-40 °C	-20 °C / -70 °C

Refrigeration dryers **DRYPOINT® RA**	Connection	Volume flow at inlet m³/h *	Standard pressure dewpoint	Optional pressure dewpoint
RA 3 - RA 12	G 1/2"	21 - 51	3 °C	5 °C / 7 °C / 10 °C
RA 18 - RA 23	G 1"	72 - 138	3 °C	5 °C / 7 °C / 10 °C
RA 30 - RA40	G 1 1/4"	168 - 240	3 °C	5 °C / 7 °C / 10 °C
RA 55 - RA 60	G 1 1/2"	330 - 372	3 °C	5 °C / 7 °C / 10 °C
RA 80 - RA 100	G 2"	486 - 630	3 °C	5 °C / 7 °C / 10 °C
RA 120 - RA 140	G 2 1/2"	750 - 870	3 °C	5 °C / 7 °C / 10 °C
RA 180 - RA 1800	on request	1080 - 10800	3 °C	5 °C / 7 °C / 10 °C

For more data on our products please visit our website www.beko.de

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